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TT4119**ABSTRACT OF THE DISCLOSURE**

A method for initializing process controllers based on tool event data includes providing a tool having a process controller adapted to employ a control model to control an operating recipe of the tool; receiving a tool event notification; and initializing the control model in response to receiving the tool event notification. A manufacturing system includes a tool and a process controller. The tool is adapted to process wafers in accordance with an operating recipe. The process controller is adapted to employ a control model to control the operating recipe in accordance with a control algorithm. The process controller is further adapted to receive a tool event notification and initialize the control model in response to receiving the tool event notification.